



#17D 7/10/98
T. Gray
PATENT
ROSE 3.0-036 CIP IV

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of :
Hiatt, et al. :
Serial No. 08/486,536 : Group Art Unit: 1623
Filed: June 7, 1995 : Examiner: J. Wilson
For: 3' PROTECTED NUCLEOTIDES FOR : Date: June 30, 1998
ENZYME CATALYZED TEMPLATE- :
INDEPENDENT CREATION OF :
OF PHOSPHODIESTER BONDS :
X

Assistant Commissioner for Patents
Washington, D.C. 20231

AMENDMENT

Sir:

In response to the Official Action dated June 8, 1998,
the following amendments and remarks are respectfully submitted.

IN THE CLAIMS:

4. (Amended). A nucleoside of 5'-phosphate of
[claims 1-3] claim 1, 2 or 3 wherein said nucleoside contains a
base selected from the group consisting of adenine (A),
guanine (G), thymine (T), cytosine (C) and uracil (U).

5. (Amended). A nucleoside 5'-phosphate of [claims
1-4] claim 1, 2 or 3 wherein said nucleoside 5'-phosphate is a
nucleoside 5'-triphosphate.

6. (Amended). A nucleoside 5'-phosphate of [claims
1-5] claim 1, 2 or 3 wherein said removable blocking moiety is
enzymatically removable.

7. (Amended). A nucleoside 5'-phosphate of [claim 6]
claim 1, 2 or 3 wherein said removable blocking moiety is removed
in under 10 minutes.

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in an envelope addressed to Assistant Commissioner for Patents,
Washington, D.C. 20231 on June 30, 1998.

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Arnold H. Krumholz

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